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(FILE 'HOME' ENTERED AT 13:35:14 ON 15 JUN 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 13:35:31 ON 15 JUN 2004

L1 12390 S SUBRETINAL OR INTRAVITREOUS OR (OCULAR OR CORNEA) (5A) INJECT?
L2 105290 S ADENOVIRUS OR ADENOVIRAL
L3 174 S L1(S)L2
L4 132 S L1(8A)L2
L5 64 DUP REM L4 (68 DUPLICATES REMOVED)

=> d au ti so 1-64 15

L5 ANSWER 1 OF 64 MEDLINE on STN DUPLICATE 1
AU Oshima Yuji; Deering Tye; Oshima Sachiko; Nambu Hiroyuki; Reddy P
Seshidhar; Kaleko Michael; Connelly Sheila; Hackett Sean F; Campochiaro
Peter A
TI Angiopoietin-2 enhances retinal vessel sensitivity to vascular endothelial
growth factor.
SO Journal of cellular physiology, (2004 Jun) 199 (3) 412-7.
Journal code: 0050222. ISSN: 0021-9541.

L5 ANSWER 2 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN .
AU Takita, Hiroyasu; Yoneya, Shin; Gehlbach, Peter L.; Duh, Elia J.; Wei,
Lisa L.; Mori, Keisuke [Reprint Author]
TI Retinal neuroprotection against ischemic injury mediated by intraocular
gene transfer of pigment epithelium-derived factor.
SO IOVS, (October 2003) Vol. 44, No. 10, pp. 4497-4504. print.

L5 ANSWER 3 OF 64 MEDLINE on STN DUPLICATE 2
AU Takahashi Kyoichi; Saishin Yoshitsugu; Saishin Yumiko; Silva Raquel Lima;
Oshima Yuji; Oshima Sachiko; Melia Michele; Paszkiet Brian; Zerby Dennis;
Kadan Michael J; Liau Gene; Kaleko Michael; Connelly Sheila; Luo Tianci;
Campochiaro Peter A
TI Intraocular expression of endostatin reduces VEGF-induced retinal vascular
permeability, neovascularization, and retinal detachment.
SO FASEB journal : official publication of the Federation of American
Societies for Experimental Biology, (2003 May) 17 (8) 896-8.
Journal code: 8804484. ISSN: 1530-6860.

L5 ANSWER 4 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AU Carrion M E (Reprint); Hamilton M; Harris B; Brough B; Brough D; Gehlbach
P; King R; Wei L
TI Ocular sublocalization and pharmacokinetics of expression of pigment
epithelium-derived factor in murine eyes following **adenovirus**
-based **intravitreal** gene delivery
SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (MAY 2003) Vol. 44, Supp.
[2], pp. U282-U282. MA 3587.
Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 12300 TWINBROOK
PARKWAY, ROCKVILLE, MD 20852-1606 USA.
ISSN: 0146-0404.

L5 ANSWER 5 OF 64 MEDLINE on STN DUPLICATE 3
AU Marmorstein Alan D; Peachey Neal S; Csaky Karl G
TI In vivo gene transfer as a means to study the physiology and morphogenesis
of the retinal pigment epithelium in the rat.
SO Methods (San Diego, Calif.), (2003 Jul) 30 (3) 277-85.
Journal code: 9426302. ISSN: 1046-2023.

L5 ANSWER 6 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AU Reich S; Fosnot J; Kuroki A; Tang W X; Yang X Y; Maguire A; Bennett J;
Tolentino M (Reprint)
TI Small interfering RNA (siRNA) targeting VEGF effectively inhibits ocular

- neovascularization in a mouse model
- SO MOLECULAR VISION, (30 MAY 2003) Vol. 9, No. 31-32, pp. 210-216.
 Publisher: MOLECULAR VISION, C/O JEFF BOATRIGHT, LAB B, 5500 EMORY EYE
 CENTER, 1327 CLIFTON RD, N E, ATLANTA, GA 30322 USA.
 ISSN: 1090-0535.
- L5 ANSWER 7 OF 64 MEDLINE on STN DUPLICATE 4
- AU Gehlbach Peter; Demetriades Anna Maria; Yamamoto Satoru; Deering Tye; Xiao
 Wei Hong; Duh Elia J; Yang Hoseong S; Lai Hong; Kovesdi Imre; Carrion
 Miguel; Wei Lisa; Campochiaro Peter A
- TI Periocular gene transfer of sFlt-1 suppresses ocular neovascularization
 and vascular endothelial growth factor-induced breakdown of the
 blood-retinal barrier.
- SO Human gene therapy, (2003 Jan 20) 14 (2) 129-41.
 Journal code: 9008950. ISSN: 1043-0342.
- L5 ANSWER 8 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
- AU Takahashi K; Saishin Y; Saishin Y; Silva R L; Oshima Y; Oshima S; Melia M;
 Paszkiet B; Zerby D; Kadan M J; Liau G; Kaleko M; Connelly S; Luo T C;
 Campochiaro P A (Reprint)
- TI Intraocular expression of endostatin reduces VEGF-induced retinal vascular
 permeability, neovascularization, and retinal detachment
- SO FASEB JOURNAL, (MAR 2003) Vol. 17, No. 3, pp. U114-U135.
 Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD
 20814-3998 USA.
 ISSN: 0892-6638.
- L5 ANSWER 9 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
- AU Yoshioka Y
- TI Transplantation of gene transferred **adenovirus**-transduced iris
 pigment epithelial cells into the rat **subretinal** space can
 prevent the systemic dissemination of the **adenovirus** vector in
 intraocular gene therapy
- SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (MAY 2003) Vol. 44, Supp.
 [1], pp. U87-U87. MA 437.
 Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 12300 TWINBROOK
 PARKWAY, ROCKVILLE, MD 20852-1606 USA.
 ISSN: 0146-0404.
- L5 ANSWER 10 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AU Takita, H. [Reprint Author]; Imai, D. [Reprint Author]; Yoneya, S.
 [Reprint Author]; Gehlbach, P. L.; Wei, L. L.; Mori, K. [Reprint Author]
- TI INTRAOCULAR GENE TRANSFER OF PIGMENT EPITHELIUM - DERIVED FACTOR PROTECTS
 THE RETINA FROM ISCHEMIA REPERFUSION INJURY BY REDUCING RETINAL CELL
 APOPTOSIS.
- SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 5237. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
 for Research in Vision and Ophthalmology.
- L5 ANSWER 11 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AU Carrion, M. E. [Reprint Author]; Hamilton, M.; Harris, B. [Reprint
 Author]; Brough, D.; Gehlbach, P.; King, R.; Wei, L.
- TI OCULAR SUBLOCALIZATION AND PHARMACOKINETICS OF EXPRESSION OF PIGMENT
 EPITHELIUM - DERIVED FACTOR IN MURINE EYES FOLLOWING **ADENOVIRUS**
 - BASED **INTRAVITREOUS** GENE DELIVERY.
- SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 3587. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
 for Research in Vision and Ophthalmology.
- L5 ANSWER 12 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AU Imai, D. [Reprint Author]; Takita, H. [Reprint Author]; Yoneya, S.
 [Reprint Author]; Gehlbach, P. L.; Wei, L. L.; Mori, K. [Reprint Author]
 TI RESCUE OF LIGHT INDUCED PHOTORECEPTOR CELL DEATH BY INTRAOCULAR GENE
 TRANSFER OF PIGMENT EPITHELIUM - DERIVED FACTOR BY REDUCING RETINAL CELL
 APOPTOSIS.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 3582. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
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 for Research in Vision and Ophthalmology.

L5 ANSWER 13 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Borrás, T. [Reprint Author]; Morozova, T. V.; Heinsohn, S. L.; Lyman, R.
 F.; Mackay, T. F. C.; Anholt, R. R. H.
 TI TRANSGENIC FLIES OVEREXPRESSING TIGR/MYOC IN THE EYE AS A NEW MODEL FOR
 GLAUCOMA GENETICS.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 3225. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
 for Research in Vision and Ophthalmology.

L5 ANSWER 14 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Tolentino, M. J. [Reprint Author]; Reich, S. J. [Reprint Author]; Fosnot,
 J. [Reprint Author]; Kuroki, A. [Reprint Author]; Tang, W. X. [Reprint
 Author]; Maguire, A. M. [Reprint Author]; Bennett, J. [Reprint Author]
 TI IN VIVO RNA INTERFERENCE IN THE MURINE RPE.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 2331. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
 for Research in Vision and Ophthalmology.

L5 ANSWER 15 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Perez, V. L. [Reprint Author]; Gregory, M.; Marshak-Rothstein, A.;
 Ksander, B.
 TI EXPRESSION OF SOLUBLE FAS LIGAND IN THE CORNEA INHIBITS LIPOPOLYSACCHARIDE
 INDUCED KERATITIS.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 698. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
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 for Research in Vision and Ophthalmology.

L5 ANSWER 16 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Anzai, K. [Reprint Author]; Gehlbach, P. L.; Shibuya, M. [Reprint Author];
 Yoneya, S. [Reprint Author]; Wei, L. L.; Mori, K. [Reprint Author]
 TI BOTH LASER PHOTOCOAGULATION AND PHOTODYNAMIC THERAPY ENHANCE GENE TRANSFER
 IN THE RAT RETINA MEDIATED BY ADENOVIRAL VECTOR.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 439. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
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 for Research in Vision and Ophthalmology.

L5 ANSWER 17 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Yoshioka, Y. [Reprint Author]
 TI TRANSPLANTATION OF GENE TRANSFERRED **ADENOVIRUS** - TRANSDUCED IRIS
 PIGMENT EPITHELIAL CELLS INTO THE RAT **SUBRETINAL** SPACE CAN
 PREVENT THE SYSTEMIC DISSEMINATION OF THE **ADENOVIRUS** VECTOR IN
 INTRAOCULAR GENE THERAPY.
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 437. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision

and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association for Research in Vision and Ophthalmology.

- L5 ANSWER 18 OF 64 MEDLINE on STN DUPLICATE 5
AU Mori Keisuke; Gehlbach Peter; Ando Akira; McVey Duncan; Wei Lisa; Campochiaro Peter A
TI Regression of ocular neovascularization in response to increased expression of pigment epithelium-derived factor.
SO Investigative ophthalmology & visual science, (2002 Jul) 43 (7) 2428-34. Journal code: 7703701. ISSN: 0146-0404.
- L5 ANSWER 19 OF 64 MEDLINE on STN DUPLICATE 6
AU Kreppel Florian; Luther Thomas T; Semkova Irina; Schraermeyer Ulrich; Kochanek Stefan
TI Long-term transgene expression in the RPE after gene transfer with a high-capacity adenoviral vector.
SO Investigative ophthalmology & visual science, (2002 Jun) 43 (6) 1965-70. Journal code: 7703701. ISSN: 0146-0404.
- L5 ANSWER 20 OF 64 MEDLINE on STN DUPLICATE 7
AU Mori Keisuke; Gehlbach Peter; Ando Akira; Wahlin Karl; Gunther Vicky; McVey Duncan; Wei Lisa; Campochiaro Peter A
TI Intraocular adenoviral vector-mediated gene transfer in proliferative retinopathies.
SO Investigative ophthalmology & visual science, (2002 May) 43 (5) 1610-5. Journal code: 7703701. ISSN: 0146-0404.
- L5 ANSWER 21 OF 64 MEDLINE on STN DUPLICATE 8
AU Derksen Todd A; Sauter Sybille L; Davidson Beverly L
TI Feline immunodeficiency virus vectors. Gene transfer to mouse retina following intravitreal injection.
SO journal of gene medicine, (2002 Sep-Oct) 4 (5) 463-9. Journal code: 9815764. ISSN: 1099-498X.
- L5 ANSWER 22 OF 64 MEDLINE on STN DUPLICATE 9
AU Anand Vibha; Duffy Bethany; Yang Zaixin; Dejneka Nadine S; Maguire Albert M; Bennett Jean
TI A deviant immune response to viral proteins and transgene product is generated on **subretinal** administration of **adenovirus** and adeno-associated virus.
SO Molecular therapy : journal of the American Society of Gene Therapy, (2002 Feb) 5 (2) 125-32. Journal code: 100890581. ISSN: 1525-0016.
- L5 ANSWER 23 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AU Mori, K. [Reprint Author]; Gehlbach, P. L. [Reprint Author]; Ando, A. [Reprint Author]; McVey, D.; Wei, L.; Campochiaro, P. A. [Reprint Author]
TI Regression of Ocular Neovascularization by Increased Expression of Pigment Epithelium-Derived Factor.
SO ARVO Annual Meeting Abstract Search and Program Planner, (2002) Vol. 2002, pp. Abstract No. 3914. cd-rom. Meeting Info.: Annual Meeting of the Association For Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. May 05-10, 2002.
- L5 ANSWER 24 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AU Adamis, A. P. [Reprint Author]; Poulaki, V. [Reprint Author]; Qaum, T. [Reprint Author]; Xu, Q. [Reprint Author]; Moromizato, Y. [Reprint Author]; Bursell, S. -E.; Wiegand, S. J.; Rudge, J.; Yancopoulos, G.; Joussen, A. [Reprint Author]
TI Suppression of Diabetic Retinopathy with Angiopoietin-1.
SO ARVO Annual Meeting Abstract Search and Program Planner, (2002) Vol. 2002, pp. Abstract No. 2965. cd-rom. Meeting Info.: Annual Meeting of the Association For Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. May 05-10, 2002.

L5 ANSWER 25 OF 64 MEDLINE on STN DUPLICATE 10
 AU Vollrath D; Feng W; Duncan J L; Yasumura D; D'Cruz P M; Chappelow A; Matthes M T; Kay M A; LaVail M M
 TI Correction of the retinal dystrophy phenotype of the RCS rat by viral gene transfer of Mertk.
 SO Proceedings of the National Academy of Sciences of the United States of America, (2001 Oct 23) 98 (22) 12584-9.
 Journal code: 7505876. ISSN: 0027-8424.

L5 ANSWER 26 OF 64 MEDLINE on STN DUPLICATE 11
 AU Shen W Y; Lai M C; Beilby J; Barnett N L; Liu J; Constable I J; Rakoczy P E
 TI Combined effect of cyclosporine and sirolimus on improving the longevity of recombinant adenovirus-mediated transgene expression in the retina.
 SO Archives of ophthalmology, (2001 Jul) 119 (7) 1033-43.
 Journal code: 7706534. ISSN: 0003-9950.

L5 ANSWER 27 OF 64 MEDLINE on STN DUPLICATE 12
 AU Suber M L; Hurwitz M Y; Chevez-Barrios P; Hurwitz R L
 TI Immune consequences of intraocular administration of modified adenoviral vectors.
 SO Human gene therapy, (2001 May 1) 12 (7) 833-8.
 Journal code: 9008950. ISSN: 1043-0342.

L5 ANSWER 28 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Yang, X. [Reprint author]; Yan, M.; Zhang, J.; Chen, D.; Miyatake, S.; Takahashi, J.; Akimoto, M.
 TI Relieve retinal photic injury by **subretinal** recombinant bFGF **adenovirus** in rats.
 SO IOVS, (March 15, 2001) Vol. 42, No. 4, pp. S628. print.
 Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. April 29-May 04, 2001.
 Association for Research in Vision and Ophthalmology.

L5 ANSWER 29 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
 AU Yang X (Reprint); Yan M; Zhang J; Chen D; Miyatake S; Takahashi J; Akimoto M
 TI Relieve retinal photic injury by **subretinal** recombinant bFGF **adenovirus** in rats.
 SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (15 MAR 2001) Vol. 42, No. 4, Supp. [S], pp. S628-S628. MA 3376.
 Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA.
 ISSN: 0146-0404.

L5 ANSWER 30 OF 64 MEDLINE on STN DUPLICATE 13
 AU Dejneka N S; Auricchio A; Maguire A M; Ye X; Gao G P; Wilson J M; Bennett J
 TI Pharmacologically regulated gene expression in the retina following transduction with viral vectors.
 SO Gene therapy, (2001 Mar) 8 (6) 442-6.
 Journal code: 9421525. ISSN: 0969-7128.

L5 ANSWER 31 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Huang, S. P. [Reprint author]; Lin, P. K. [Reprint author]; Lin, T. N.; Lee, Y. J.; Ke, C. Y. [Reprint author]; Chang, Yin; Hsu, W. M. [Reprint author]; Liu, J. H. [Reprint author]
 TI Adenovirally expressed ciliary neurotrophic factor rescues photoreceptor cells in RCS rats.
 SO IOVS, (March 15, 2001) Vol. 42, No. 4, pp. S348. print.
 Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. April 29-May 04, 2001.

L5 ANSWER 32 OF 64 MEDLINE on STN DUPLICATE 14
 AU Mori K; Duh E; Gehlbach P; Ando A; Takahashi K; Pearlman J; Mori K; Yang H
 S; Zack D J; Etttyreddy D; Brough D E; Wei L L; Campochiaro P A
 TI Pigment epithelium-derived factor inhibits retinal and choroidal
 neovascularization.
 SO Journal of cellular physiology, (2001 Aug) 188 (2) 253-63.
 Journal code: 0050222. ISSN: 0021-9541.

L5 ANSWER 33 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AU Timmers, A. M. [Reprint author]; Nguyen, T. B. [Reprint author]; Saban, D.
 R. [Reprint author]; Grant, M. B.
 TI Viral vectors for efficient gene delivery to RPE cells.
 SO IOVS, (March 15, 2001) Vol. 42, No. 4, pp. S125. print.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, Florida, USA. April 29-May 04, 2001.

L5 ANSWER 34 OF 64 MEDLINE on STN DUPLICATE 15
 AU Baffi J; Byrnes G; Chan C C; Csaky K G
 TI Choroidal neovascularization in the rat induced by adenovirus mediated
 expression of vascular endothelial growth factor.
 SO Investigative ophthalmology & visual science, (2000 Oct) 41 (11) 3582-9.
 Journal code: 7703701. ISSN: 0146-0404.

L5 ANSWER 35 OF 64 MEDLINE on STN DUPLICATE 16
 AU Honda M; Sakamoto T; Ishibashi T; Inomata H; Ueno H
 TI Experimental **subretinal** neovascularization is inhibited by
adenovirus-mediated soluble VEGF/flt-1 receptor gene transfection:
 a role of VEGF and possible treatment for SRN in age-related macular
 degeneration.
 SO Gene therapy, (2000 Jun) 7 (11) 978-85.
 Journal code: 9421525. ISSN: 0969-7128.

L5 ANSWER 36 OF 64 MEDLINE on STN DUPLICATE 17
 AU Lai C M; Shen W Y; Constable I; Rakoczy P E
 TI The use of adenovirus-mediated gene transfer to develop a rat model for
 photoreceptor degeneration.
 SO Investigative ophthalmology & visual science, (2000 Feb) 41 (2) 580-4.
 Journal code: 7703701. ISSN: 0146-0404.

L5 ANSWER 37 OF 64 CAPLUS COPYRIGHT 2004 ACS on STN
 AU Fujiwara, Takamitsu; Herai, Tohru
 TI The influence of the recombinant **adenovirus** transferred into the
subretinal space upon the rat retinal function
 SO Iwate Igaku Zasshi (2000), 52(4), 331-342
 CODEN: IIZAAX; ISSN: 0021-3284

L5 ANSWER 38 OF 64 MEDLINE on STN DUPLICATE 18
 AU Yu M J; Shen W Y; Lai M C; Constable I J; Papadimitriou J M; Rakoczy P E
 TI The role of vascular endothelial growth factor (VEGF) in abnormal vascular
 changes in the adult rat eye.
 SO Growth factors (Chur, Switzerland), (2000) 17 (4) 301-12.
 Journal code: 9000468. ISSN: 0897-7194.

L5 ANSWER 39 OF 64 MEDLINE on STN DUPLICATE 19
 AU Lai C M; Shen W Y; Constable I J; Rakoczy P E
 TI Preferential adenovirus-mediated transduction of cells at the sites of
 laser photocoagulation in the rat eye.
 SO Current eye research, (1999 Nov) 19 (5) 411-7.
 Journal code: 8104312. ISSN: 0271-3683.

L5 ANSWER 40 OF 64 CAPLUS COPYRIGHT 2004 ACS on STN
 AU Rakoczy, P. E.; Shen, W. Y.; Spilsbury, K.; Yu, M.; Lai, M.; Barry, C. J.;
 Constable, I. J.
 TI Development of rat models for choroidal neovascularization (CNV). A

- comparison between laser and recombinant adenovirus induced CNV
SO Retinal Degenerative Diseases and Experimental Therapy, [Proceedings of the International Symposium on Retinal Degeneration], 8th, Schluchsee, Germany, July 20-25, 1998 (1999), Meeting Date 1998, 383-392. Editor(s): Hollyfield, Joe G.; Anderson, Robert E.; LaVail, Matthew M. Publisher: Kluwer Academic/Plenum Publishers, New York, N. Y.
CODEN: 69ADY2
- L5 ANSWER 41 OF 64 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 20
AU Rakoczy, Pirooska E.; Shen, Wei-Yong; Lai, May; Rolling, Fabienne; Constable, Ian J.
TI Development of gene therapy-based strategies for the treatment of eye diseases
SO Drug Development Research (1999), 46(3/4), 277-285
CODEN: DDREDK; ISSN: 0272-4391
- L5 ANSWER 42 OF 64 MEDLINE on STN DUPLICATE 21
AU Yu M J; Shen W Y; Lai M C; Constable I J; Rakoczy P E
TI Generation and characterization of a recombinant adenovirus expressing vascular endothelial growth factor for studies of neovascularization in the eye.
SO Australian and New Zealand journal of ophthalmology, (1999 Jun-Aug) 27 (3-4) 250-3.
Journal code: 8505423. ISSN: 0814-9763.
- L5 ANSWER 43 OF 64 MEDLINE on STN DUPLICATE 22
AU Ali R R; Reichel M B; Byrnes A P; Stephens C J; Thrasher A J; Baker D; Hunt D M; Bhattacharya S S
TI Co-injection of adenovirus expressing CTLA4-Ig prolongs adenovirally mediated lacZ reporter gene expression in the mouse retina.
SO Gene therapy, (1998 Nov) 5 (11) 1561-5.
Journal code: 9421525. ISSN: 0969-7128.
- L5 ANSWER 44 OF 64 MEDLINE on STN DUPLICATE 23
AU Bennett J; Zeng Y; Bajwa R; Klatt L; Li Y; Maguire A M
TI Adenovirus-mediated delivery of rhodopsin-promoted bcl-2 results in a delay in photoreceptor cell death in the rd/rd mouse.
SO Gene therapy, (1998 Sep) 5 (9) 1156-64.
Journal code: 9421525. ISSN: 0969-7128.
- L5 ANSWER 45 OF 64 MEDLINE on STN DUPLICATE 24
AU Reichel M B; Ali R R; Thrasher A J; Hunt D M; Bhattacharya S S; Baker D
TI Immune responses limit adenovirally mediated gene expression in the adult mouse eye.
SO Gene therapy, (1998 Aug) 5 (8) 1038-46.
Journal code: 9421525. ISSN: 0969-7128.
- L5 ANSWER 46 OF 64 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AU Sakamoto, Taiji [Reprint author]; Ueno, Hikaru; Goto, Yoshinobu; Oshima, Yuji; Yamanaka, Ichiro; Ishibashi, Tatsuro; Inomata, Hajime
TI Retinal functional change caused by adenoviral vector-mediated transfection of LacZ gene.
SO Human Gene Therapy, (April 10, 1998) Vol. 9, No. 6, pp. 789-799. print.
ISSN: 1043-0342.
- L5 ANSWER 47 OF 64 MEDLINE on STN DUPLICATE 25
AU Rakoczy P E; Lai C M; Shen W Y; Daw N; Constable I J
TI Recombinant adenovirus-mediated gene delivery into the rat retinal pigment epithelium in vivo.
SO Australian and New Zealand journal of ophthalmology, (1998 May) 26 Suppl 1 S56-8.
Journal code: 8505423. ISSN: 0814-9763.
- L5 ANSWER 48 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

- AU Csaky K G (Reprint); Anglade E
 TI **Subretinal adenovirus**-mediated gene transfer of
 vascular endothelial growth factor (VEGF(165)) in adult rats results in
 fibrovascular proliferation.
 SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (15 MAR 1997) Vol. 38, No.
 4, Part 1, pp. 2309-2309.
 Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA
 19106.
 ISSN: 0146-0404.
- L5 ANSWER 49 OF 64 MEDLINE on STN DUPLICATE 26
 AU Hoffman L M; Maguire A M; Bennett J
 TI Cell-mediated immune response and stability of intraocular transgene
 expression after adenovirus-mediated delivery.
 SO Investigative ophthalmology & visual science, (1997 Oct) 38 (11) 2224-33.
 Journal code: 7703701. ISSN: 0146-0404.
- L5 ANSWER 50 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
 AU Fortin E (Reprint); Anglade E; Chan C C; Csaky K
 TI Treatment of EAU with **adenovirus** encoding TGF-beta 1 injected in
 the **subretinal** space.
 SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (15 MAR 1997) Vol. 38, No.
 4, Part 1, pp. 2074-2074.
 Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA
 19106.
 ISSN: 0146-0404.
- L5 ANSWER 51 OF 64 MEDLINE on STN DUPLICATE 27
 AU Ribeau deau F; Abitbol M; Finiels F; Roustan P; Revah F; Dufier J L; Mallet
 J
 TI In vivo adenovirus-mediated gene transfer to newborn rat retinal pigment
 epithelial cells.
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L5 ANSWER 60 OF 64 MEDLINE on STN DUPLICATE 29
AB Mutations in the beta subunit of the cGMP phosphodiesterase gene (beta
PDE) can cause a recessively inherited retinal degeneration in several
species, including mice, dogs and humans. We tested the possibility of
altering the course of retinal degeneration in the rd mouse through
subretinal injection of a recombinant replication-defective
adenovirus that contains the murine cDNA for wild-type (beta PDE,
Ad.CMV beta PDE. Subretinal injection of Ad.CMV beta PDE results in beta
PDE transcripts and increased PDE activity and delays photoreceptor cell
death by six weeks. The findings demonstrate cell rescue by in vivo gene
transfer, thus supporting the feasibility of treating an inherited retinal
degeneration by somatic gene therapy.

L5 ANSWER 61 OF 64 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AB We have studied the use of adenovirus-mediated gene transfer to reverse
the pathologic changes of lysosomal storage disease caused by
beta-glucuronidase deficiency in the eyes of mice with
mucopolysaccharidosis VII. A recombinant adenovirus carrying the human
beta-glucuronidase cDNA coding region under the control of a
non-tissue-specific promoter was injected intravitreally or subretinally
into the eyes of mice with mucopolysaccharidosis VII. At 1-3 weeks after
injection, the treated and control eyes were examined histochemically for
beta-glucuronidase expression and histologically for phenotypic correction
of the lysosomal storage defect. Enzymatic expression was detected 1-3
weeks after injection. Storage vacuoles in the retinal pigment epithelium
(RPE) were still present 1 week after gene transfer but were reduced to
undetectable levels by 3 weeks in both intravitreally and subretinally
injected eyes. There was minimal evidence of **ocular** pathology
associated with the viral **injection**. These data indicate that
adenovirus-mediated gene transfer to the eye may provide for
adjunctive therapy for lysosomal storage diseases affecting the RPE in
conjunction with enzyme replacement and/or gene therapies for correction
of systemic disease manifestations. The data also support the view that
recombinant adenovirus may be useful as a gene therapy vector for retinal
degenerations that result from a primary genetic defect in the RPE cells.

L5 ANSWER 62 OF 64 MEDLINE on STN DUPLICATE 30
AB Retinoblastoma is a rare eye tumor found predominantly in young children. Intra-ocular injection of **adenovirus-12** (Ad-12) into newborn recipients induces in rats and in baboons tumors morphologically similar to human retinoblastoma tumors. In addition, Ad-12 DNA can transform human embryonic retinal cells and the transformed cells form retinoblastoma-like tumors in nude mice. These observations have led to the suggestion that Ad-12 may also be involved in the induction of human retinoblastoma tumors. To test this possibility, DNA and RNA were isolated from six human tumors. Analysis of RNA and DNA by blotting with labelled Ad-12 failed to reveal viral sequences in human retinoblastoma.

L5 ANSWER 63 OF 64 MEDLINE on STN DUPLICATE 31
AB A new animal model of retinoblastoma was developed in newborn inbred CDF rats by intravitreal inoculation of retinal tumor cells (5 X 10⁽⁴⁾/5 microliter) derived from the cultured tumor cell line EXP-5. The retinal tumor from which the cell line originated was induced by a single **intravitreal** inoculation of human **adenovirus** serotype 12 (5 microliter of 10⁽⁸⁾ TCID 50/0.1 ml) in syngeneic rats. Within 1 month after intravitreal inoculation of EXP-5 cells, a clinically recognizable ocular tumor was obtained in all 39 rats. Ad 12-specific T-antigens were demonstrated in the cultured tumor cells using immunofluorescent techniques. Morphologically these tumor cells closely resembled retinoblastoma, with poorly differentiated intracytoplasmic organelles, solitary cilia with a 9 + 0 tubule pattern, and abnormal nuclear membrane associated with a set of basal bodies. The significance of this highly manipulable retinal tumor cell line is the capability of providing a full-fledged intravitreal tumor in 1-month-old CDF rats, whose actual life span is known to be 42 months. Transplantable retinal tumors described to date are reviewed briefly and compared with the presently reported cell line.

L5 ANSWER 64 OF 64 MEDLINE on STN DUPLICATE 32
AB We examined the effects of cyclic AMP (cAMP) on the growth and differentiation of RAO 188 cells, a cultured cell line derived from a retinoblastoma-like tumor induced in an inbred rat by **intravitreal** inoculation with human **adenovirus** serotype 12. After adding cAMP analogs (dibutyryl cAMP and 8-bromo cAMP) and phosphodiesterase inhibitors (theophylline, amino-phylline, and 1-methyl-3-isobutyl xanthine) to the RAO 188 cell culture medium, we measured changes in cell incorporation of the DNA and RNA precursors ¹⁴C-thymidine and ³H-uridine, and we observed the morphologic alterations of RAO 188 by phase-contrast and transmission and scanning electron microscopy. Incorporation of the labeled precursors decreased with increased concentrations of cAMP analogs and phosphodiesterase inhibitors. Incorporation of the labeled precursors was inhibited shortly after the addition of dibutyryl cAMP to the culture medium. The effect was maximal at 8 hr and was sustained for up to 48 hr. Reversibility of cAMP effects on incorporation gradually decreased for 10 days; at 10 days these effects were essentially irreversible. Neuritelike processes developed shortly after cAMP analog treatment and formed a network after 24 hr. Transmission electron microscopy disclosed changes in the cell membrane and cytoplasm of cells treated with 8-bromo cAMP and theophylline: perturbation of the cell membrane and the appearance of intercellular junctional devices and microfilaments. The activity of glutamate decarboxylase, which is involved in the biosynthesis of gamma-aminobutyric acid, was increased in treated cells. These results show that cAMP decreases DNA and RNA synthesis and cell proliferation and facilitates morphologic and biochemical differentiation of RAO 188 cells.

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